

REMARKS

OVERVIEW

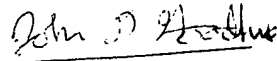
Claims 1 through 13 are pending in this application. Claims 1, 5, 8 and 10 have been amended.

No fees or extensions of time are believed to be due in connection with this amendment; however, consider this a request for any extension inadvertently omitted, and charge any additional fees to Deposit Account No. 26-0084.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Reconsideration and allowance is respectfully requested.

Respectfully submitted,



JOHN D. GOODHUE, Reg. No. 47,603
McKEE, VOORHEES & SEASE, P.L.C.
801 Grand Avenue, Suite 3200
Des Moines, Iowa 50309-2721
Phone No. (515) 288-3667
Fax No. (515) 288-1338
CUSTOMER NO: 22885

Attorneys of Record

- bja -



Application No. P04803US0

RECEIVED

FEB 13 2002

TC 2800 MAIL ROOM

AMENDMENT — VERSION WITH MARKINGS
TO SHOW CHANGES MADE

In the Claims

Please amend claims 1, 5, 8 and 10 as follows:

1. (Amended)

A thin film negative temperature coefficient thermistor having a physical size comprising a thin film resistive element of a deposited mixture of metal oxide film, the thin film resistive element having a negative temperature coefficient, and the mixture being selected to provide the physical size.

5. (Amended)

A product line of negative temperature coefficient thermistors, comprising:
a first negative temperature thermistor product having a first physical size and having a first resistance defined by a first negative temperature coefficient of resistance versus temperature curve;
a second negative temperature thermistor product having a second physical size and having a second resistance defined by a second negative temperature coefficient of resistance versus temperature curve, the first physical size the same as the second physical size, the first curve different from the second curve; and
the first negative temperature coefficient thermistor product being manufactured using deposition of a first metal oxide mixture and the second negative temperature thermistor product being manufactured using deposition of a second metal oxide mixture.

8. (Amended)

A method of manufacturing a thin film negative temperature coefficient thermistor comprising:

selecting a physical size of the thermistor;

selecting a negative temperature coefficient of resistance versus temperature curve;

selecting a mixture of metal film materials to provide a negative temperature coefficient of resistance curve while maintaining the physical size; and

depositing the mixture of metal film materials on a substrate.

10. (Amended)

The method of claim 8 wherein the ~~selecting step mixture~~ is ~~selecting~~ a mixture of manganese oxide and nickel oxide ~~to provide a negative temperature coefficient.~~